

Amendments to the Specification:

Please add the following CROSS REFERENCE TO RELATED APPLICATION section on page 1 of the specification as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation of U.S. Patent Application No. 09/968,293 entitled "COMPACT PHASE LOCKED LASER ARRAY AND RELATED TECHNIQUES," filed on October 1, 2001.

Please replace the section entitled Brief Description of the Drawings beginning at page 5, line 25, with the following section:

BRIEF DESCRIPTION OF THE DRAWINGS

The foregoing features of this invention, as well as the invention itself, may be more fully understood from the following description of the drawings in which:

FIG. ~~1~~1A is a schematic diagram of a compact phase locked laser array electro-optical system according to the invention;

FIG. ~~1A~~1B is a schematic diagram of the parallel coupling of the radiation from one aperture to the plurality of apertures according to the invention;

FIG. 2 is a schematic diagram useful in understanding the operation of the system of FIG. 1, such FIG. 2 showing unfolded optical paths of the system of FIG. 1;

FIG. 3 is an exemplary radiation pattern showing the spatial distribution of input electric field of the system of FIG. 1;

FIG. 4 is an exemplary radiation pattern showing the spatial distribution of input optical intensity of the system of FIG. 1;

FIG. 5 is an exemplary radiation pattern showing the spatial distribution of output electric field of the system of FIG. 1;

FIG. 6 is an exemplary radiation pattern showing the spatial distribution of output optical intensity of FIG. 1;

FIG. 7 is a schematic diagram of an of a compact phase locked laser array system including solid state lasers as the gain media according to another embodiment of the invention;

FIG. 8 is a schematic diagram of a compact phase locked laser array system including passive fiber coupled laser diodes as the gain media according to still another embodiment of the invention; and

FIG. 9 is a schematic diagram of a compact phase locked laser array system including a plurality of frequency conversion devices offset from the plurality of gain media according to yet another embodiment of the invention.